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(54) **Gelled aqueous compositions.**

(57) Disclosed are gelled compositions in fresh water or brine solution, containing a polymer selected from the group consisting of water-soluble anionic or nonionic polymers capable of gelling in the presence of a gelling agent characterized in that the gelling agent is a water-soluble cationic poly(N-alkyldiallylamine)-epihalohydrin resin in an amount sufficient to cause a gel to form. The compositions are useful in the recovery of oil and gas by fracturing and as a matrix plugging agent in enhanced oil recovery.



European Patent  
Office

# EUROPEAN SEARCH REPORT

0174856

Application number

EP 85 30 6489

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
D,Y	US-A-3 833 531 (G.I. KEIM) * Abstract; columns 2-4; claims 1-14 *	1	E 21 B 43/25
Y	--- US-A-3 971 440 (HESSERT) * Abstract; columns 2-4; claims 1-11 *	1	
A	--- US-A-4 409 110 (BORCHARDT et al.)		
D,A	--- US-A-4 043 921 (HESSERT et al.)		
A	--- US-A-4 158 521 (ANDERSON et al.)		
A	--- GB-A-2 002 529 (CIBA-GEIGY)		TECHNICAL FIELDS SEARCHED (Int. Cl.4)  E 21 B
A	--- US-A-4 225 445 (DIXON)  --- -/-		
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 24-11-1986	Examiner LO CONTE C.
<p><b>CATEGORY OF CITED DOCUMENTS</b></p> <p>X : particularly relevant if taken alone  Y : particularly relevant if combined with another document of the same category  A : technological background  O : non-written disclosure  P : intermediate document</p> <p>T : theory or principle underlying the invention  E : earlier patent document, but published on, or after the filing date  D : document cited in the application  L : document cited for other reasons  &amp; : member of the same patent family, corresponding document</p>			



DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
A	JOURNAL OF APPLIED POLYMER SCIENCE, vol. 26, 1981, pages 2561-2572, John Wiley & Sons Inc., New York, US; L. WESTMAN et al.: "Swelling and mechanical properties of cellulose hydrogels. IV. Kinetics of swelling in liquid water"  -----	
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